AUTHOR INDEX

Amlin, D. W., Characterization of fibers for 10.6 μm transmittance, 106
Arieli, R., Infrared heterodyning using silver halide fibers, 136
Bergman, J. G., Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60
Bornstein, A., Chalcogenide infrared glass fibers, 102
Bridges, T. J., Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60
Byer, R. L., Growth and characterization of single crystal refractory oxide fibers, 50
Byron, Kevin C., Recent progress in infrared fiber material research, 34
Chraplyvy, A. R., Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60
Croitoru, N., Chalcogenide infrared glass fibers, 102
Deremiak, E. L., Characterization of fibers for 10.6 μm transmittance, 106
DeShazer, Larry G., Future in Infrared Fibers, The (Panel), 148
Dianov, E. M., Materials for infrared low loss fibers, 15
Drexhage, Martin G., Future in Infrared Fibers, The (Panel), 148
———, Progress in heavy metal fluoride glasses for infrared fibers, 27
El-Bayoumi, O. H., Progress in heavy metal fluoride glasses for infrared fibers, 27
Feigelson, R., Growth and characterization of single crystal refractory oxide fibers, 50
Fejer, M., Growth and characterization of single crystal refractory oxide fibers, 50
Gannon, John R., Recent progress in infrared fiber material research, 34
Garmire, E., Research in infrared hollow waveguides, 70
Hanssen, Scott, Infrared fiber early warning receiver, 128
Harrington, James A., Infrared fiber early warning receiver, 128
———, Preparation of high purity $ZnCl_2$ for 10.6 μm optical fibers, 37
Hartouni, E., Characterization of fibers for 10.6 μm transmittance, 106
Hobrock, Lowell M., Future in Infrared Fibers, The (Panel), 148
———, Radiometric applications of infrared optical fibers, 140
Hon, David T., Pulse compression by stimulated Brillouin scattering, 56
Kapon, E., Infrared heterodyning using silver halide fibers, 136
Katzir, A., Infrared heterodyning using silver halide fibers, 136
Kleider, Alfred, Coherent, single-mode fiber optic for multifunction 10.6 μm helicopter avionics system, 122
Kway, W., Growth and characterization of single crystal refractory oxide fibers, 50
Le Sergent, Christian, Infrared glass optical fibers for 2 to 11 micrometer band, 10
Linden, Kurt J., Tunable diode lasers and laser systems for the 3 to 30 μm infrared spectral region, 109
Lucas, Jacques, Fluoride glasses with large optical window for infrared fibers, 22
Mantz, Arlan W., Tunable diode lasers and laser systems for the 3 to 30 μm infrared spectral region, 109
Marhic, M. E., Mode coupling analysis of bending losses in hollow infrared waveguides, 79
Marom, E., Chalcogenide infrared glass fibers, 102
Moynihan, C. T., Progress in heavy metal fluoride glasses for infrared fibers, 27
Myer, Jon H., Infrared horizon scanner (Cancelled), 155
Nassau, Kurt, Future in Infrared Fibers, The (Panel), 148
———, Material dispersion considerations for infrared fibers, 43
Paek, U. C., Electrical transmission lines as models for soliton propagation in infrared fibers, 62
Pastor, R. C., Preparation of high purity $ZnCl_2$ for 10.6 μm optical fibers, 37
Peterson, G. E., Electrical transmission lines as models for soliton propagation in infrared fibers, 62
Robinson, M., Preparation of high purity $ZnCl_2$ for 10.6 μm optical fibers, 37
Sakuragi, Shiro, Polycrystalline KRS-5 infrared fibers for power transmission, 2
Salzman, J., Infrared heterodyning using silver halide fibers, 136
Sato, T., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88
Schoenberg, A., Infrared heterodyning using silver halide fibers, 136
Sigel, George H., Jr., Future in Infrared Fibers, The (Panel), 148
———, Overview of infrared fiber optics, (Keynote address) (Oral only), 155
Simhony, S., Infrared heterodyning using silver halide fibers, 136
Sneed, John D., Radiometric applications of infrared optical fibers, 140
Stephens, Ronald R., Infrared horizon scanner (Cancelled), 155
Sugimoto, I., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88
Takahashi, H., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88
Turk, R. R., Rolling KCl fiber—a feasibility study, 93
Yoshida, S., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88

SUBJECT INDEX

Avionics system, coherent, single-mode fiber optic for multifunction 10.6 μm helicopter, 122

Bending losses in hollow infrared waveguides, mode coupling analysis of, 79
Brillouin scattering, pulse compression by stimulated, 56
Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60

Chalcogenide infrared glass fibers, 102
Characterization of fibers for 10.6 μm transmittance, 106
Coherent, single-mode fiber optic for multifunction 10.6 μm helicopter avionics system, 122
Coupling analysis of bending losses in hollow infrared waveguides, mode, 79
Crystal refractory oxide fibers, growth and characterization of single, 50

Diode lasers and laser systems for the 3 to 30 μm infrared spectral region, tunable, 109

Early warning receiver, infrared fiber, 128
Electrical transmission lines as models for soliton propagation in infrared fibers, 62

Fiber—a feasibility study, rolling KCl, 93
Fiber optic for multifunction 10.6 μm helicopter avionics system, coherent, single-mode, 122
Fibers, broadband infrared generation by stimulated Raman scattering in liquid filled, 60
Fibers, growth and characterization of single crystal refractory oxide, 50
Fibers, infrared heterodyning using silver halide, 136
Fibers, preparation of high purity $ZnCl_2$ for 10.6 μm optical, 37
Fibers for 10.6 μm transmittance, characterization of, 106
Fluoride glasses for infrared fibers, progress in heavy metal, 27
Fluoride glasses with large optical window for infrared fibers, 22
Future in Infrared Fibers, The (Panel), 148

GeO_2-Sb_2O_3 optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88

AUTHOR INDEX

Amlin, D. W., Characterization of fibers for 10.6 μm transmittance, 106
Arieli, R., Infrared heterodyning using silver halide fibers, 136
Bergman, J. G., Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60
Bornstein, A., Chalcogenide infrared glass fibers, 102
Bridges, T. J., Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60
Byer, R. L., Growth and characterization of single crystal refractory oxide fibers, 50
Byron, Kevin C., Recent progress in infrared fiber material research, 34
Chraplyvy, A. R., Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60
Croitoru, N., Chalcogenide infrared glass fibers, 102
Deremiak, E. L., Characterization of fibers for 10.6 μm transmittance, 106
DeShazer, Larry G., Future in Infrared Fibers, The (Panel), 148
Dianov, E. M., Materials for infrared low loss fibers, 15
Drexhage, Martin G., Future in Infrared Fibers, The (Panel), 148
———, Progress in heavy metal fluoride glasses for infrared fibers, 27
El-Bayoumi, O. H., Progress in heavy metal fluoride glasses for infrared fibers, 27
Feigelson, R., Growth and characterization of single crystal refractory oxide fibers, 50
Fejer, M., Growth and characterization of single crystal refractory oxide fibers, 50
Gannon, John R., Recent progress in infrared fiber material research, 34
Garmire, E., Research in infrared hollow waveguides, 70
Hanssen, Scott, Infrared fiber early warning receiver, 128
Harrington, James A., Infrared fiber early warning receiver, 128
———, Preparation of high purity $ZnCl_2$ for 10.6 μm optical fibers, 37
Hartouni, E., Characterization of fibers for 10.6 μm transmittance, 106
Hobrock, Lowell M., Future in Infrared Fibers, The (Panel), 148
———, Radiometric applications of infrared optical fibers, 140
Hon, David T., Pulse compression by stimulated Brillouin scattering, 56
Kapon, E., Infrared heterodyning using silver halide fibers, 136
Katzir, A., Infrared heterodyning using silver halide fibers, 136
Kleider, Alfred, Coherent, single-mode fiber optic for multifunction 10.6 μm helicopter avionics system, 122
Kway, W., Growth and characterization of single crystal refractory oxide fibers, 50
Le Sergent, Christian, Infrared glass optical fibers for 2 to 11 micrometer band, 10
Linden, Kurt J., Tunable diode lasers and laser systems for the 3 to 30 μm infrared spectral region, 109
Lucas, Jacques, Fluoride glasses with large optical window for infrared fibers, 22
Mantz, Arlan W., Tunable diode lasers and laser systems for the 3 to 30 μm infrared spectral region, 109
Marhic, M. E., Mode coupling analysis of bending losses in hollow infrared waveguides, 79
Marom, E., Chalcogenide infrared glass fibers, 102
Moynihan, C. T., Progress in heavy metal fluoride glasses for infrared fibers, 27
Myer, Jon H., Infrared horizon scanner (Cancelled), 155
Nassau, Kurt, Future in Infrared Fibers, The (Panel), 148
———, Material dispersion considerations for infrared fibers, 43
Paek, U. C., Electrical transmission lines as models for soliton propagation in infrared fibers, 62
Pastor, R. C., Preparation of high purity $ZnCl_2$ for 10.6 μm optical fibers, 37
Peterson, G. E., Electrical transmission lines as models for soliton propagation in infrared fibers, 62
Robinson, M., Preparation of high purity $ZnCl_2$ for 10.6 μm optical fibers, 37
Sakuragi, Shiro, Polycrystalline KRS-5 infrared fibers for power transmission, 2
Salzman, J., Infrared heterodyning using silver halide fibers, 136
Sato, T., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88
Schoenberg, A., Infrared heterodyning using silver halide fibers, 136
Sigel, George H., Jr., Future in Infrared Fibers, The (Panel), 148
———, Overview of infrared fiber optics, (Keynote address) (Oral only), 155
Simhony, S., Infrared heterodyning using silver halide fibers, 136
Sneed, John D., Radiometric applications of infrared optical fibers, 140
Stephens, Ronald R., Infrared horizon scanner (Cancelled), 155
Sugimoto, I., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88
Takahashi, H., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88
Turk, R. R., Rolling KCl fiber—a feasibility study, 93
Yoshida, S., GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88

SUBJECT INDEX

Avionics system, coherent, single-mode fiber optic for multifunction 10.6 μm helicopter, 122

Bending losses in hollow infrared waveguides, mode coupling analysis of, 79
Brillouin scattering, pulse compression by stimulated, 56
Broadband infrared generation by stimulated Raman scattering in liquid filled fibers, 60

Chalcogenide infrared glass fibers, 102
Characterization of fibers for 10.6 μm transmittance, 106
Coherent, single-mode fiber optic for multifunction 10.6 μm helicopter avionics system, 122
Coupling analysis of bending losses in hollow infrared waveguides, mode, 79
Crystal refractory oxide fibers, growth and characterization of single, 50

Diode lasers and laser systems for the 3 to 30 μm infrared spectral region, tunable, 109

Early warning receiver, infrared fiber, 128
Electrical transmission lines as models for soliton propagation in infrared fibers, 62

Fiber—a feasibility study, rolling KCl, 93
Fiber optic for multifunction 10.6 μm helicopter avionics system, coherent, single-mode, 122
Fibers, broadband infrared generation by stimulated Raman scattering in liquid filled, 60
Fibers, growth and characterization of single crystal refractory oxide, 50
Fibers, infrared heterodyning using silver halide, 136
Fibers, preparation of high purity $ZnCl_2$ for 10.6 μm optical, 37
Fibers for 10.6 μm transmittance, characterization of, 106
Fluoride glasses for infrared fibers, progress in heavy metal, 27
Fluoride glasses with large optical window for infrared fibers, 22
Future in Infrared Fibers, The (Panel), 148

GeO_2-Sb_2O_3 optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, 88

Glass fibers, chalcogenide infrared, 102
Glass optical fibers for 2 to 11 micrometer band, infrared, 10
Glass optical fibers for 2 to 3 μm fabricated by vapor-phase axial deposition (VAD) method, GeO_2-Sb_2O_3, 88
Glasses for infrared fibers, progress in heavy metal fluoride, 27
Glasses with large optical window for infrared fibers, fluoride, 22
Growth and characterization of single crystal refractory oxide fibers, 50

Heavy metal fluoride glasses for infrared fibers, progress in, 27
Helicopter avionics system, coherent, single-mode fiber optic for multifunction 10.6 μm, 122
Heterodyning using silver halide fibers, infrared, 136
High purity $ZnCl_2$ for 10.6 μm optical fibers, preparation of, 37
Hollow infrared waveguides, mode coupling analysis of bending losses in, 79
Hollow waveguides, research in infrared, 70

Infrared fiber early warning receiver, 128
Infrared fiber material research, recent progress in, 34
Infrared fibers, electrical transmission lines as models for soliton propagation in, 62
Infrared fibers, fluoride glasses with large optical window for, 22
Infrared fibers, material dispersion considerations for, 43
Infrared fibers for power transmission, polycrystalline KRS-5, 2
Infrared fibers, progress in heavy metal fluoride glasses for, 27
Infrared generation by stimulated Raman scattering in liquid filled fibers, broadband, 60
Infrared glass fibers, chalcogenide, 102
Infrared glass optical fibers for 2 to 11 micrometer band, 10
Infrared heterodyning using silver halide fibers, 136
Infrared hollow waveguides, research in, 70
Infrared horizon scanner (Cancelled), 155
Infrared low loss fibers, materials for, 15
Infrared optical fibers, radiometric applications of, 140
Infrared spectral region, tunable diode lasers and laser systems for the 3 to 30 μm, 109
Infrared waveguides, mode coupling analysis of bending losses in hollow, 79

KCl fiber—a feasibility study, rolling, 93
KRS-5 infrared fibers for power transmission, polycrystalline, 2

Laser systems for the 3 to 30 μm, infrared spectral region, tunable diode lasers and, 109
Lasers and laser systems for the 3 to 30 μm infrared spectral region, tunable diode, 109
Liquid filled fibers, broadband infrared generation by stimulated Raman scattering in, 60
Low loss fibers, materials for infrared, 15

Material dispersion considerations for infrared fibers, 43
Material research, recent progress in infrared fiber, 34
Materials for infrared low loss fibers, 15
Mode coupling analysis of bending losses in hollow infrared waveguides, 79
Models for soliton propagation in infrared fibers, electrical transmission lines as, 62

Optical window for infrared fibers, fluoride glasses with large, 22
Overview of infrared fiber optics, (Keynote address) (Oral only), 155
Oxide fibers, growth and characterization of single crystal refractory, 50

Polycrystalline KRS-5 infrared fibers for power transmission, 2
Power transmission, polycrystalline KRS-5 infrared fibers for, 2
Preparation of high purity $ZnCl_2$ for 10.6 μm optical fibers, 37
Progress in heavy metal fluoride glasses for infrared fibers, 27
Pulse compression by stimulated Brillouin scattering, 56

Radiometric applications of infrared optical fibers, 140
Raman scattering in liquid filled fibers, broadband infrared generation by stimulated, 60
Recent progress in infrared fiber material research, 34
Research in infrared hollow waveguides, 70
Rolling KCl fiber—a feasibility study, 93

Scattering in liquid filled fibers, broadband infrared generation by stimulated Raman, 60
Scattering, pulse compression by stimulated Brillouin, 56
Silver halide fibers, infrared heterodyning using, 136
Soliton propagation in infrared fibers, electrical transmission lines as models for, 62
Stimulated Brillouin scattering, pulse compression by, 56
Stimulated Raman scattering in liquid filled fibers, broadband infrared generation by, 60

Transmission lines as models for soliton propagation in infrared fibers, electrical, 62
Transmittance, characterization of fibers for 10.6 μm, 106
Tunable diode lasers and laser systems for the 3 to 30 μm infrared spectral region, 109

Vapor-phase axial deposition (VAD) method, GeO_2-Sb_2O_3 glass optical fibers for 2 to 3 μm fabricated by, 88

Warning receiver, infrared fiber early, 128
Waveguides, mode coupling analysis of bending losses in hollow infrared, 79
Waveguides, research in infrared hollow, 70
Window for infrared fibers, fluoride glasses with large optical, 22

$ZnCl_2$ for 10.6 μm optical fibers, preparation of high purity, 37